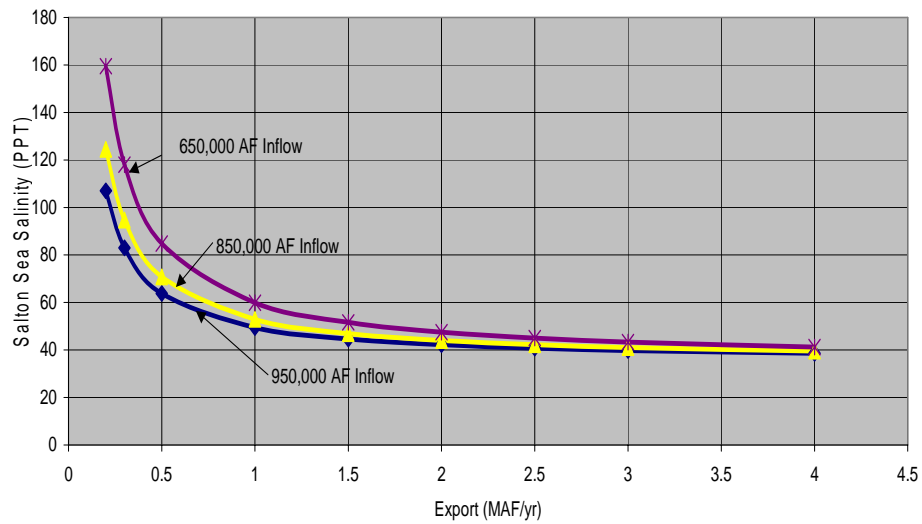


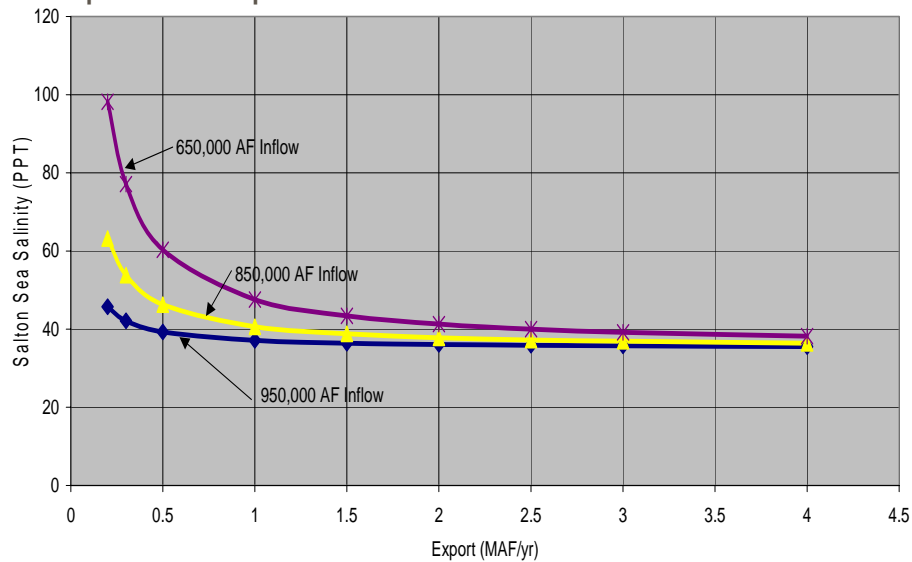
## Basic Assumptions

- ◆ **Pacific Ocean = 35 ppt salinity**
- ◆ **Gulf of California = 35-39 ppt depending on intake location (inverse estuary)**
- ◆ **Salton Sea (and oceanside) Inlet and Outlet facilities spaced to ensure mixing**
- ◆ **No water treatment needed due to large exchange rates**

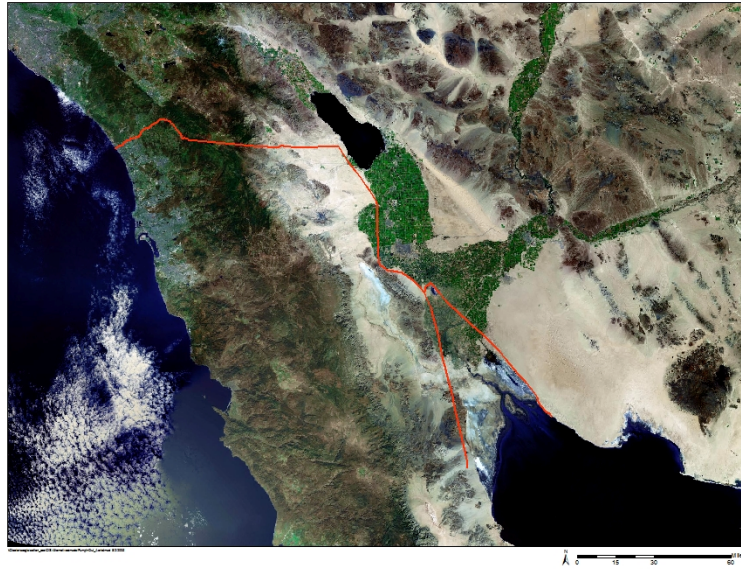
## Salton Sea El. -230, Gulf Import/Export



## Salton Sea El. -250, Gulf Import/Export



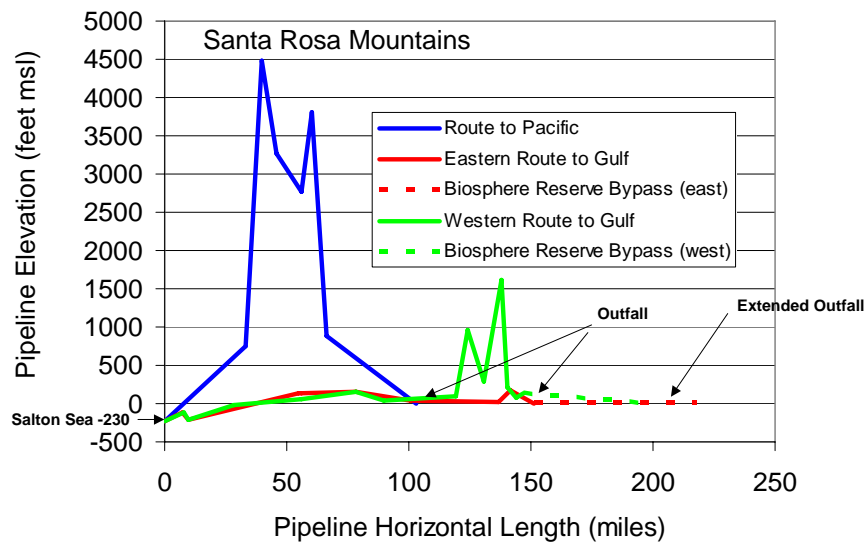
## 1999 USBR Route Studies



## Possible Routing Extensions to Avoid Biosphere



## Routing Alignment Profile USBR 1999 Study + Biosphere



## Pipe and Canal Sizes

### ◆ Largest Alternative

- Export/Import at existing elevation with Gulf salinity
- Example: 650 TAF/Yr, -235 EI, 40 ppt salinity
  - ❖ 22, 12.5-ft dia. Pipes for portion of length, **each way**
  - ❖ Canal, about 2/3 size of All-American Canal for portion of length, **each way**
  - ❖ Total length of conveyance about **twice** length of All-American Canal, **each way**